

# WEST Search History for Application 10583923

Creation Date: 2011022222:23

(GROWTH HORMONE OR SOMATOTROPIN OR RECOBRINANT GROWTH HORMONE)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
(LIQUID formulation? or aqueous FORMULATION?) and ((GROWTH HORMONE OR SOMATOTROPIN OR RECOBRINANT GROWTH HORMONE )USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((LIQUID formulation? or aqueous FORMULATION?) and (GROWTH HORMONE OR SOMATOTROPIN OR RECOBRINANT GROWTH HORMONE ) and (non-ionic surfactant or polymer stabilizer or divalent cation or tonicity agent or sorbitol or methionine or preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((LIQUID formulation? or aqueous FORMULATION?) and (GROWTH HORMONE OR SOMATOTROPIN OR RECOBRINANT GROWTH HORMONE ) and (non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol and methionine and preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
(ph 5 or pH 8) and ((LIQUID formulation? or aqueous FORMULATION?) and (GROWTH HORMONE OR SOMATOTROPIN OR RECOBRINANT GROWTH HORMONE) and (non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol and methionine and preservative) )USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
6593296.pn.USPT ADJ YES 10-28-2008  
(Stabil? growth hormone formulation)USPT ADJ YES 10-28-2008  
(Stabil? and growth hormone)USPT ADJ YES 10-28-2008  
(liquid formulation? or aqueous formualtion?) and ((Stabil? and growth hormone) )USPT ADJ YES 10-28-2008  
(liquid formulation? or aqueous formualtion?) and ((Stabil? and growth hormone) )USPT ADJ YES 10-28-2008  
(Stabil? and growth hormone)USPT ADJ YES 10-28-2008  
(Stabil? and growth hormone)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((Stabil? and growth hormone) ) and (liquid formulation? or aqueous formualtion?)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((Stabil? and growth hormone) and (liquid formulation? or aqueous formualtion?) ) and and (non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol and methionine and preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((Stabil? and growth hormone) and (liquid formulation? or aqueous formualtion?) ) and and (non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol or methionine and preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
((Stabil? and growth hormone) and (liquid formulation? or aqueous formualtion?) ) and (non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol or methionine and preservative)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
(pH 5 or pH 8) and ((Stabil? and growth hormone) and (liquid formulation? or aqueous formualtion?) and (non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol or methionine and preservative) )USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008  
(pH 5 to pH 8) and ((Stabil? and growth hormone) and (liquid formulation? or aqueous formualtion?) and (non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol or methionine and preservative) )USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008

(pH 5 to pH 8) and ((Stabi? and growth hormone) and (liquid formulation? or aqueous formulation?) and (non-ionic surfactant and polymer stabilizer and divalent cation and tonicity agent or sorbitol or methionine and preservative )USPT, EPAB, JPAB,  
DWPI ADJ YES 10-28-2008

5206219.pn.USPT ADJ YES 10-28-2008

(GROWTH HORMONE OR SOMATOTROPIN OR RECOBMINANT GROWTH HORMONE)PGPB ADJ YES 10-28-2008

(Stabi? growth hormone)PGPB ADJ YES 10-28-2008

(Stabi? growth hormone)USPT, EPAB, JPAB, DWPI ADJ YES 10-28-2008

(growth hormone or human growth hormone or somatotropin or recombinant growth hormone)USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(non-ionic surfactant or nonionic surfactant or non ionic surfactant) and ((growth hormone or human growth hormone or somatotropin or recombinant growth hormone) )USPT, EPAB,  
JPAB, DWPI ADJ YES 10-29-2008

(polymer stabilizer or polymer stabl?) and ((non-ionic surfactant or nonionic surfactant or non ionic surfactant) and (growth hormone or human growth hormone or somatotropin or recombinant growth hormone) )USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(polyethylene glycol) and ((non-ionic surfactant or nonionic surfactant or non ionic surfactant) and (growth hormone or human growth hormone or somatotropin or recombinant growth hormone) )USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(polysorbate or tween) and ((polyethylene glycol) and (non-ionic surfactant or nonionic surfactant or non ionic surfactant) and (growth hormone or human growth hormone or somatotropin or recombinant growth hormone) )USPT, EPAB, JPAB,  
DWPI ADJ YES 10-29-2008

((growth hormone or human growth hormone or somatotropin or recombinant growth hormone) ) near (liquid or aqueous)USPT, EPAB, JPAB, DWPI ADJ YES 10-29-2008

(polyethylene glycol) and ((growth hormone or human growth hormone or somatotropin or recombinant growth hormone) near (liquid or aqueous) )USPT, EPAB, JPAB,  
DWPI ADJ YES 10-29-2008

(polysorbate or tween) and ((polyethylene glycol) and (growth hormone or human growth hormone or somatotropin or recombinant growth hormone) near (liquid or aqueous) )USPT,  
EPAB, JPAB, DWPI ADJ YES 10-29-2008

(growth hormone or Somatotrophin or somatotropin)PGPB, USPT, EPAB, JPAB,  
DWPI ADJ YES 04-14-2009

(Liquid formulation or aqueous solution) near3 ((growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(surfactant and polymer stabilizer and methionine) and ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB,  
JPAB, DWPI ADJ YES 04-14-2009

(methionine) and ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(methionine) near2 ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(methionine) same ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-14-2009

(methionine) and ((Liquid formulation or aqueous solution) near3 (growth hormone or Somatotrophin or somatotropin) )USPT ADJ YES 04-14-2009

(liquid formulation or aqueous formulation).ab.PGPB, USPT, EPAB, JPAB,

DWPI ADJ YES 04-22-2009

(nonionic surfactant or non ionic surfactant or non-ionic surfactant)and ((liquid formulation or aqueous formulation).ab. )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009

(polymer stabilizer or polyethylene glycol) and ((nonionic surfactant or non ionic surfactant or non-ionic surfactant)and (liquid formulation or aqueous formulation).ab. )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 (methionine) and ((polymer stabilizer or polyethylene glycol) and (nonionic surfactant or non ionic surfactant or non-ionic surfactant)and (liquid formulation or aqueous formulation).ab. )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 (methionine)PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 (tonicity agent) and ((methionine )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 ((liquid formulation or aqueous formulation).ab. ) near3 ((methionine )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 ((liquid formulation or aqueous formulation).ab. ) same (((methionine )PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 5358708.pn.USPT ADJ YES 04-22-2009  
 (growth hormone) and (5358708.pn. )USPT ADJ YES 04-22-2009  
 6448225.pn.PGPB, USPT, EPAB, JPAB, DWPI ADJ YES 04-22-2009  
 6448225.pn.USPT ADJ YES 04-22-2009  
 (polymer) and (6448225.pn. )USPT ADJ YES 04-22-2009  
 (polymer) and (5358708.pn. )USPT ADJ YES 04-22-2009

### Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
<b>(PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID)</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>(POLYMER STABILIZER OR POLYETHYLENE GLYCOL)</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>(METHIONINE)</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>((METHIONINE) AND (FORMULATION OR AQUEOUS SOLUTION)</b>	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
<b>((METHIONINE) AND (FORMULATION OR AQUEOUS SOLUTION) ) and ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) ) and ((PROTEIN OR POLYPEPTIDE OR PEPTIDE</b>	PGPB, USPT, EPAB, JPAB,	ADJ	YES		11-18-2009

OR NUCLEIC ACID))	DWPI				
((PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID) ) AND (FORMULATION OR AQUEOUS SOLUTION)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
((PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID) AND (FORMULATION OR AQUEOUS SOLUTION) ) same ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL))	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
((PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID) AND (FORMULATION OR AQUEOUS SOLUTION) ) and ((METHIONINE)) and ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL))	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
((PROTEIN OR POLYPEPTIDE OR PEPTIDE OR NUCLEIC ACID) ) same ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL)) same ((METHIONINE))	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) ) near5 ((METHIONINE))	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
((METHIONINE) ) same (FORMULATION OR AQUEOUS SOLUTION)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
((METHIONINE) same (FORMULATION OR AQUEOUS SOLUTION) ) near5 ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
((METHIONINE) same (FORMULATION OR AQUEOUS SOLUTION) ) and ((POLYMER STABILIZER OR POLYETHYLENE GLYCOL) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		11-18-2009
(stablizer or stablization)	PGPB, USPT, EPAB,	ADJ	YES		11-18-2009

	JPAB, DWPI			
((stablizer or stablization) ) same ((METHIONINE))	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	11-18-2009
(polypeptide or protein or peptide)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	06-22-2010
(liquid formulation or aqueous formulation)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	06-22-2010
(growth hormone or somatotropin)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	06-22-2010
(nonionic surfactant or non ionic surfactant or non-ionic surfactant)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	06-22-2010
(polymer stabilizer or polyethylene glycol)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	06-22-2010
(methionine)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	06-22-2010
((methionine) ) and ((polypeptide or protein or peptide) ) and ((liquid formulation or aqueous formulation) ) and ((nonionic surfactant or non ionic surfactant or non-ionic surfactant) ) and ((polymer stabilizer or polyethylene glycol) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	06-22-2010
((methionine) ) and ((liquid formulation or aqueous formulation) ) and ((nonionic surfactant or non ionic	PGPB, USPT,	ADJ	YES	06-22-2010

surfactant or non-ionic surfactant) ) and ((polymer stabilizer or polyethylene glycol) )	EPAB, JPAB, DWPI				
((liquid formulation or aqueous formulation) ) same ((nonionic surfactant or non ionic surfactant or non-ionic surfactant) ) same ((polymer stabilizer or polyethylene glycol) ) same ((methionine) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		06-22-2010
((growth hormone or somatotropin) ) same ((polymer stabilizer or polyethylene glycol) ) same ((methionine) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		06-22-2010
((growth hormone or somatotropin) ) same ((nonionic surfactant or non ionic surfactant or non-ionic surfactant) ) same ((polymer stabilizer or polyethylene glycol) ) same ((methionine) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		06-22-2010
(polypeptide or protein or peptide)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		02-22-2011
(growth hormone or somatotropin)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		02-22-2011
(liquid formulation or aqueous formulation)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		02-22-2011
(nonionic surfactant or non ionic surfactant or non-ionic surfactant)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		02-22-2011
(polymer stabilizer or polyethylene glycol)	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES		02-22-2011
(methionine)	PGPB,	ADJ	YES		02-22-2011

	USPT, EPAB, JPAB, DWPI			
((polypeptide or protein or peptide) same ((liquid formulation or aqueous formulation))	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	02-22-2011
((polypeptide or protein or peptide) same (liquid formulation or aqueous formulation) ) and ((nonionic surfactant or non ionic surfactant or non-ionic surfactant) ) and ((polymer stabilizer or polyethylene glycol) ) and ((methionine) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	02-22-2011
((polypeptide or protein or peptide) same (liquid formulation or aqueous formulation) and (nonionic surfactant or non ionic surfactant or non-ionic surfactant) and (polymer stabilizer or polyethylene glycol) and (methionine) ) and ((growth hormone or somatotropin) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	02-22-2011
(liquid formulation or aqueous formulation).ab.	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	02-22-2011
((liquid formulation or aqueous formulation).ab. ) and ((nonionic surfactant or non ionic surfactant or non-ionic surfactant) ) and ((polymer stabilizer or polyethylene glycol) ) and ((methionine) )	PGPB, USPT, EPAB, JPAB, DWPI	ADJ	YES	02-22-2011
((liquid formulation or aqueous formulation).ab. ) and ((nonionic surfactant or non ionic surfactant or non-ionic surfactant) ) and ((polymer stabilizer or polyethylene glycol) ) and ((methionine) )	USPT	ADJ	YES	02-22-2011